



Sequence Listing

<110> E.I. du Pont de Nemours and Company

<120> Aspartate Kinase

<130> BB1430 PCT

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<141> 2001-08-02

<150> PCT/US00/34396
<151> 2000-12-19

<150> 60/172944
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<160> 28

<170> PatentIn version 3.2

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Ile Leu Glu Lys Thr Gly Arg Val Leu Xaa Glu Ser Gly Val Asn Val
35 40 45

Gln Met Ile Ser Gln Gly Ala Ser Lys Val Asn Met Ser Leu Ile Val
50 55 60

His Asp Ser Asp Ala Lys Ala Leu Val Glu Ala Leu His Gln Ala Phe
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Phe Glu Asp Asp Val Leu Ser Gln Val Glu Ala Glu Asn Leu Leu Val
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Val Arg Gly Leu Ala Cys Phe Gly Thr Arg Thr Gly Pro Arg Gly Ala
35 40 45

Arg Gly Leu Ser Met Val Val Ala Asp Ser Thr Ser Arg Arg Ala Lys
50 55 60

Gln Ala Asp Gly Gly Asp Gly Val Leu Gly Ala Pro Val Leu Gly Gly
65 70 75 80

Leu Gly Met Glu Gly Leu Gly Asp Gln Leu Ser Val Val Met Lys Phe
85 90 95

Gly Gly Ser Ser Val Ser Ser Ala Ala Arg Met Ala Glu Val Ala Gly
100 105 110

Leu Ile Leu Thr Phe Pro Glu Glu Arg Pro Val Val Val Leu Ser Ala
115 120 125

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 35 40 45

Ala Asp Ser Thr Ser Arg Arg Ala Lys Gln Ala Asp Gly Gly Asp Gly
 50 55 60

Val Leu Gly Ala Pro Val Leu Gly Gly Leu Gly Met Glu Gly Leu Gly
 65 70 75 80

Asp Gln Leu Ser Val Val Met Lys Phe Gly Gly Ser Ser Val Ser Ser
 85 90 95

Ala Ala Arg Met Ala Glu Val Ala Gly Leu Ile Leu Thr Phe Pro Glu
 100 105 110

Glu Arg Pro Val Val Leu Ser Ala Met Gly Lys Thr Thr Asn Asn
 115 120 125

Leu Leu Leu Ala Gly Glu Lys Ala Val Gly Cys Gly Val Ile His Val
 130 135 140

Ser Glu Ile Glu Glu Trp Asn Met Val Lys Ser Leu His Ile Lys Thr
 145 150 155 160

Val Asp Glu Leu Gly Leu Pro Xaa Ile Cys Asn Thr Ser Leu Tyr Glu
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Leu Glu Gln Leu Leu Lys Gly Ile Ala Met Met Lys Glu Leu Thr Pro
 180 185 190

Arg Thr Ser Asp Tyr Leu Val Ser Phe Gly Glu Cys Met Ser Thr Arg
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Ile Phe Ser Ala Tyr Leu Asn Lys Ile Arg Val Lys Ala Arg Gln Tyr
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Asp Ala Phe Asp Ile Gly Phe Ile Thr Thr Asp Glu Phe Gly Asn Ala
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 Asp Ile Leu Glu Ala Thr Tyr Pro Ala Val Ala Lys Arg Leu His Gly
 245 250 255
 Asp Trp Ile Gln Asp Pro Ala Ile Pro Val Val Thr Gly Phe Leu Gly
 260 265 270
 Lys Gly Trp Lys Ser Gly Ala Val Thr Thr Leu Gly Arg Gly Ser
 275 280 285
 Asp Leu Thr Ala Thr Thr Ile Gly Lys Ala Leu Gly Leu Arg Glu Ile
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 Gln Val Trp Lys Asp Val Asp Gly Val Leu Thr Cys Asp Pro Asn Ile
 305 310 315 320
 Tyr Pro His Ala Lys Thr Val Pro Tyr Leu Thr Phe Glu Glu Ala Thr
 325 330 335
 Glu Leu Ala Tyr Phe Gly Ala Gln Val Leu His Pro Gln Ser Met Arg
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 Pro Ala Arg Glu Gly Asp Ile Pro Val Arg Val Lys Asn Ser Tyr Asn
 355 360 365
 Pro Lys Ala Pro Gly Thr Leu Ile Thr Arg Gln Arg Asp Met Asp Xaa
 370 375 380
 Gly Leu Val Val Leu Thr Ser Ile Val Leu Lys Ser Asn Val Thr Met
 385 390 395 400
 Leu Asp Ile Val Ser Thr Arg Met Leu Gly Gln Tyr Gly Phe Leu Ala
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 Arg Val Ser Gly Ile Cys Tyr Ile Glu Asp Leu Cys Ile Ser Val Asp
 420 425 430
 Cys Val Ala Thr Ser Glu Val Ser Val Ser Val Ser Leu Asp Pro Ser
 435 440 445
 Lys Ile Trp Ser Arg Glu Leu Ile Gln Gln Ala Ser Glu Leu Asp His
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 Val Val Glu Glu Leu Glu Lys Ile Ala Ile Val Arg Leu Leu Gln Gln
 465 470 475 480
 Arg Ala Ile Ile Ser Leu Ile Gly Asn Val Glu Gln Ser Ser Leu Ile
 485 490 495
 Leu Glu Lys Thr Gly Arg Val Leu Arg Lys Ser Gly Val Asn Val Gln
 500 505 510
 Met Ile Ser Gln Gly Ala Ser Lys Val Asn Met Ser Leu Ile Val His
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 <213> Zea mays

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 Val Leu Gly Ala Pro Val Leu Gly Gly Leu Gly Met Glu Gly Leu Gly
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 Asp Gln Leu Ser Val Val Met Lys Phe Gly Gly Ser Ser Val Ser Ser
 85 90 95
 Ala Ala Arg Met Ala Glu Val Ala Gly Leu Ile Leu Thr Phe Pro Glu
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 Glu Arg Pro Val Val Leu Ser Ala Met Gly Lys Thr Thr Asn Asn
 115 120 125
 Leu Leu Leu Ala Gly Glu Lys Ala Val Gly Cys Gly Val Ile His Val
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 Val Asp Glu Leu Gly Leu Pro Arg Ser Val Ile Gln Asp Met Leu Asp
 165 170 175
 Glu Leu Glu Gln Leu Leu Lys Gly Ile Ala Met Met Lys Glu Leu Thr
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 Pro Arg Thr Ser Asp Tyr Leu Val Ser Phe Gly Glu Cys Met Ser Thr
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 210 215 220
 Tyr Asp Ala Phe Asp Ile Gly Phe Ile Thr Thr Asp Glu Phe Gly Asn
 225 230 235 240
 Ala Asp Ile Leu Glu Ala Thr Tyr Pro Ala Val Ala Lys Arg Leu His
 245 250 255
 Gly Asp Trp Ile Gln Asp Pro Ala Ile Pro Val Val Thr Gly Phe Leu
 260 265 270
 Gly Lys Gly Trp Lys Ser Gly Ala Val Thr Thr Leu Gly Arg Gly Gly
 275 280 285
 Ser Asp Leu Thr Ala Thr Thr Ile Gly Lys Ala Leu Gly Leu Arg Glu
 290 295 300
 Ile Gln Val Trp Lys Asp Val Asp Gly Val Leu Thr Cys Asp Pro Asn
 305 310 315 320
 Ile Tyr Pro His Ala Lys Thr Val Pro Tyr Leu Thr Phe Glu Glu Ala
 325 330 335
 Thr Glu Leu Ala Tyr Phe Gly Ala Gln Val Leu His Pro Gln Ser Met
 340 345 350
 Arg Pro Ala Arg Glu Gly Asp Ile Pro Val Arg Val Lys Asn Ser Tyr
 355 360 365

Asn Pro Lys Ala Pro Gly Thr Leu Ile Thr Arg Gln Arg Asp Met Asp
 370 375 380

 Lys Val Val Leu Thr Ser Ile Val Leu Lys Ser Asn Val Thr Met Leu
 385 390 395 400

 Asp Ile Val Ser Thr Arg Met Leu Gly Gln Tyr Gly Phe Leu Ala Arg
 405 410 415

 Val Phe Ala Ile Phe Glu Asp Leu Cys Ile Ser Val Asp Cys Val Ala
 420 425 430

 Thr Ser Glu Val Ser Val Ser Val Ser Leu Asp Pro Ser Lys Ile Trp
 435 440 445

 Ser Arg Glu Leu Ile Gln Gln Glu Leu Asp His Val Val Glu Glu Leu
 450 455 460

 Glu Lys Ile Ala Ile Val Arg Leu Leu Gln Gln Arg Ala Ile Ile Ser
 465 470 475 480

 Leu Ile Gly Asn Val Glu Gln Ser Ser Leu Ile Leu Glu Lys Thr Gly
 485 490 495

 Arg Val Leu Arg Lys Ser Gly Val Asn Val Gln Met Ile Ser Gln Gly
 500 505 510

 Ala Ser Lys Val Asn Met Ser Leu Ile Val His Asp Ser Asp Ala Lys
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20 25 30

Gly Lys Lys Ala Arg Gln Tyr Asp Ala Phe Asp Ile Gly Phe Ile Thr
35 40 45

Thr Asp Asp Phe Thr Asn Ala Asp Ile Leu Glu Ala Thr Tyr Pro Ala
50 55 60

Val Ala Lys Arg Leu Gln Gly Asp Trp Ile Asp Asp Pro Ala Ile Pro
65 70 75 80

Ile Val Thr Gly Phe Leu Gly Lys Gly Trp Lys Ser Cys Ala Val Thr
85 90 95

Thr Leu Gly Arg Gly Ser Asp Leu Thr Ala Thr Thr Ile Gly Lys
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Ala Leu

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<213> Oryza sativa

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<212> PRT

<213> Oryza sativa

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Cys Gln Ser Gly Ala Ala Ala Val Val Leu Asn Lys Asp Asp Ala Ala
 35 40 45

Ser Val Ala Ala Ala Ala Ser Ser Ala Thr Gly Phe Thr Val Ala
 50 55 60

Met Lys Phe Gly Gly Ser Ser Val Ala Ser Ala Glu Arg Met Arg Glu
 65 70 75 80

Val Ala Asp Leu Ile Leu Ser Phe Pro Glu Glu Thr Pro Val Val Val
 85 90 95

Leu Ser Ala Met Gly Lys Thr Thr Asn Asn Leu Leu Leu Ala Gly Glu
 100 105 110

Lys Ala Val Ser Cys Gly Ala Pro Lys Ala Ser Glu Ile Pro Glu Leu
 115 120 125

Ala Val Ile Lys Glu Leu His Val Arg Thr Ile Asp Glu Leu Gly Leu
 130 135 140

Asp Arg Ser Ile Val Ser Gly Leu Leu Glu Glu Leu Glu Gln Leu Leu
 145 150 155 160

Lys Gly Val Ala Met Met Lys Glu Leu Thr Pro Arg Thr Arg Asp Tyr
 165 170 175

Leu Val Ser Phe Gly Glu Cys Met Ser Thr Arg Ile Phe Ala Ala Tyr
 180 185 190

Leu Asn Lys Leu Gly Lys Ala Arg Gln Tyr Asp Ala Phe Asp Ile
 195 200 205
 Gly Phe Ile Thr Thr Asp Asp Phe Thr Asn Ala Asp Ile Leu Glu Ala
 210 215 220
 Thr Tyr Pro Ala Val Ala Lys Arg Leu Gln Gly Asp Trp Ile Asp Asp
 225 230 235 240
 Pro Ala Ile Pro Ile Val Thr Gly Phe Leu Gly Lys Gly Trp Lys Ser
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 <221> unsure
 <222> (582)
 <223> n=a,c,g or t
 <220>
 <221> unsure
 <222> (616)
 <223> n=a,c,g or t
 <220>
 <221> unsure

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<222> (626)
<223> n=a,c,g or t

<220>
<221> unsure
<222> (632)
<223> n=a,c,g or t

<220>
<221> unsure
<222> (637)
<223> n=a,c,g or t

<220>
<221> unsure
<222> (640)
<223> n=a,c,g or t

<400> 13
ggcggtgagc tgcggcgccc ccaaggcgtc ggaaatctac gagctcgccg tcatcaagga 60
gctccatctc aggaccatcg atgagcttgg cctagatagc tccattgttt caggttttt 120
ggacgagttg gagcaactgc tcaagggtgt tgctatgatg aaagagctga ctcttaggac 180
acgagattac cttgtttctt ttggtaatg catgtctaca agaataatttt ctgcataattt 240
gaataaacta gggagaagg cacgacagta tgatgctttt gatctggnt ttataaccac 300
tggacgattt ccacaaatgc cgatatccnc gaacaactta tcctgctgtt gcaaagagct 360
acatggaaat tgggtgatga ccctgctatc ccnatatgac gttcccttg ggaagggatg 420
gaacttgc ggcanaactt aggaagggc ggaatgactt gacggcacaa ccatggaaaa 480
cctggggta agaaaatcg gttggaaagat gtaacggttt tgactgtat caatattatc 540
aaaccggaca ntaccactta cttttaggg accgaacttc tnnttggaa agtttgcacca 600
tcatcacacc aggagngacc cattcnataa cnnaacntcn cccgga 646

<210> 14
<211> 146
<212> PRT
<213> Triticum aestivum

<220>
<221> UNSURE
<222> (110)
<223> Xaa=any amino acid

<220>
<221> UNSURE
<222> (131)
<223> Xaa=any amino acid

<220>
<221> UNSURE
<222> (145)
<223> Xaa=any amino acid

<400> 14
Ala Val Ser Cys Gly Ala Pro Lys Ala Ser Glu Ile Tyr Glu Leu Ala
1 5 10 15

Val Ile Lys Glu Leu His Leu Arg Thr Ile Asp Glu Leu Gly Leu Asp
20 25 30

Ser Ser Ile Val Ser Gly Phe Leu Asp Glu Leu Glu Gln Leu Leu Lys
35 40 45

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Gly Val Ala Met Met Lys Glu Leu Thr Leu Arg Thr Arg Asp Tyr Leu
50 55 60

Val Ser Phe Gly Glu Cys Met Ser Thr Arg Ile Phe Ser Ala Tyr Leu
65 70 75 80

Asn Lys Leu Gly Lys Lys Ala Arg Gln Tyr Asp Ala Phe Asp Leu Gly
85 90 95

Phe Ile Thr Thr Gly Arg Phe Pro Gln Met Pro Ile Ser Xaa Asn Asn
 100 105 110

Leu Ser Cys Cys Cys Lys Glu Leu His Gly Asn Trp Leu Met Thr Leu
 115 120 125

Leu Ser Xaa Tyr Asp Gly Ser Leu Gly Lys Gly Trp Asn Leu Cys Gly
130 135 140

Xaa Thr
145

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<210> 15
<211> 1658
<212> DNA
<213> Triticum aestivum
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<210> 16
<211> 439

<212> PRT
<213> Triticum aestivum

<400> 16
Phe Gly Thr Arg Ala Val Ser Cys Gly Ala Pro Lys Ala Ser Glu Ile
1 5 10 15

Tyr Glu Leu Ala Val Ile Lys Glu Leu His Leu Arg Thr Ile Asp Glu
20 25 30

Leu Gly Leu Asp Ser Ser Ile Val Ser Gly Phe Leu Asp Glu Leu Glu
35 40 45

Gln Leu Leu Lys Gly Val Ala Met Met Lys Glu Leu Thr Leu Arg Thr
50 55 60

Arg Asp Tyr Leu Val Ser Phe Gly Glu Cys Met Ser Thr Arg Ile Phe
65 70 75 80

Ser Ala Tyr Leu Asn Lys Leu Gly Lys Lys Ala Arg Gln Tyr Asp Ala
85 90 95

Phe Asp Leu Gly Phe Ile Thr Thr Asp Asp Phe Thr Asn Ala Asp Ile
100 105 110

Leu Glu Ala Thr Tyr Pro Ala Val Ala Lys Arg Leu His Gly Asp Trp
115 120 125

Ile Asp Asp Pro Ala Ile Pro Ile Val Thr Gly Phe Leu Gly Lys Gly
130 135 140

Trp Lys Ser Cys Ala Val Thr Thr Leu Gly Arg Gly Ser Asp Leu
145 150 155 160

Thr Ala Thr Thr Ile Gly Lys Ala Leu Gly Leu Arg Glu Ile Gln Val
165 170 175

Trp Lys Asp Val Asp Gly Val Leu Thr Cys Asp Pro Asn Ile Tyr Ala
180 185 190

Asn Ala Val Pro Val Pro Tyr Leu Thr Phe Asp Glu Ala Ala Glu Leu
195 200 205

Ala Tyr Phe Gly Ala Gln Val Leu His Pro Gln Ser Met Arg Pro Ala
210 215 220

Arg Glu Gly Gly Ile Pro Val Arg Val Lys Asn Ser Tyr Asn Arg His
225 230 235 240

Ala Pro Gly Thr Val Ile Thr Lys Thr Arg Asp Met Arg Lys Ser Ile
245 250 255

Leu Thr Ser Ile Val Leu Lys Ser Asn Ile Thr Met Leu Asp Ile Val
260 265 270

Ser Thr Arg Met Leu Gly Gln Tyr Gly Phe Leu Ala Lys Val Phe Ser
275 280 285

Ile Phe Glu Asp Leu Gly Ile Ser Val Asp Ser Val Ala Thr Ser Glu
290 295 300

Val Ser Ile Ser Leu Thr Leu Asp Pro Ser Lys Leu Trp Ser Arg Glu
305 310 315 320

Leu Ile Gln Gln Glu Leu Asp His Val Val Glu Glu Leu Glu Lys Ile
325 330 335

Ala Val Val His Leu Leu Gln His Arg Ser Ile Ile Ser Leu Ile Gly
340 345 350

Asn Val Gln Arg Ser Ser Leu Ile Leu Glu Lys Ala Phe Asn Val Leu
355 360 365

Arg Arg Asn Gly Val Asn Val Gln Met Ile Ser Gln Gly Ala Ser Lys
370 375 380

Val Asn Ile Ser Leu Val Val Asn Asp Ser Glu Ala Lys Gln Cys Val
385 390 395 400

Gln Ala Leu His Ser Ala Phe Phe Glu Asn Gly Phe Leu Ser Glu Val
405 410 415

Glu Glu Ala Asp Leu Ala Gln Lys Arg Ala Pro Val Leu Val Ser Ser
420 425 430

Asn Gly Ala Ile Asn Gly Asn
435

<210> 17

<211> 564

<212> PRT

<213> Glycine max

<400> 17

Met Ala Ser Ala Leu Gln Gln Leu Gln Gly Val Gln Gly Lys Leu Ala
1 5 10 15

Val Ser Met Ser Val Arg Arg Ser Leu His His Cys Lys Ser Gln Ile
20 25 30

Gly Phe Ala Ala Leu Gly Ala Pro Val Cys Ala Arg Arg Val Trp Gly
35 40 45

Asn Arg Val Ala Phe Ser Val Thr Thr Cys Lys Ala Ser Thr Ser Asp
50 55 60

Val Ile Glu Lys Asn Ala Thr Glu Asn Gly Met Val Ser Ser Glu Gly
65 70 75 80

Glu Thr Ser Phe Thr Cys Val Met Lys Phe Gly Gly Ser Ser Val Ala
85 90 95

Ser Ala Asp Arg Met Lys Glu Val Ala Thr Leu Ile Leu Ser Phe Pro
100 105 110

Glu Glu Arg Pro Ile Val Val Leu Ser Ala Met Gly Lys Thr Thr Asn
115 120 125

Lys Leu Leu Leu Ala Gly Glu Lys Ala Val Ser Cys Gly Val Ile Asn
130 135 140

Val Ser Ser Ile Glu Glu Leu Cys Phe Ile Lys Asp Leu His Leu Arg
 145 150 155 160
 Thr Val Asp Gln Leu Gly Val Asp Gly Ser Val Ile Ser Lys His Leu
 165 170 175
 Glu Glu Leu Glu Gln Leu Leu Lys Gly Ile Ala Met Met Lys Glu Leu
 180 185 190
 Thr Lys Arg Thr Gln Asp Tyr Leu Val Ser Phe Gly Glu Cys Met Ser
 195 200 205
 Thr Arg Ile Phe Ala Ala Tyr Leu Asn Lys Ile Gly Val Lys Ala Arg
 210 215 220
 Gln Tyr Asp Ala Phe Glu Ile Gly Phe Ile Thr Thr Asp Asp Phe Thr
 225 230 235 240
 Asn Ala Asp Ile Leu Glu Ala Thr Tyr Pro Ala Val Ala Lys Arg Leu
 245 250 255
 His Gly Asp Trp Leu Ser Asp Pro Ala Ile Ala Ile Val Thr Gly Phe
 260 265 270
 Leu Gly Lys Ala Arg Lys Ser Cys Ala Val Thr Thr Leu Gly Arg Gly
 275 280 285
 Gly Ser Asp Leu Thr Ala Thr Thr Ile Gly Lys Ala Leu Gly Leu Pro
 290 295 300
 Glu Ile Gln Val Trp Lys Asp Val Asp Gly Val Leu Thr Cys Asp Pro
 305 310 315 320
 Asn Ile Tyr Pro Lys Ala Glu Pro Val Pro Tyr Leu Thr Phe Asp Glu
 325 330 335
 Ala Ala Glu Leu Ala Tyr Phe Gly Ala Gln Val Leu His Pro Gln Ser
 340 345 350
 Met Arg Pro Ala Arg Glu Ser Asp Ile Pro Val Arg Val Lys Asn Ser
 355 360 365
 Tyr Asn Pro Lys Ala Pro Gly Thr Leu Ile Thr Lys Ala Arg Asp Met
 370 375 380
 Ser Lys Ala Val Leu Thr Ser Ile Val Leu Lys Arg Asn Val Thr Met
 385 390 395 400
 Leu Asp Ile Ala Ser Thr Arg Met Leu Gly Gln Tyr Gly Phe Leu Ala
 405 410 415
 Lys Val Phe Ser Ile Phe Glu Leu Gly Ile Ser Val Asp Val Val
 420 425 430
 Ala Thr Ser Glu Val Ser Val Ser Leu Thr Leu Asp Pro Ser Lys Leu
 435 440 445
 Trp Ser Arg Glu Leu Ile Gln Gln Ala Ser Glu Leu Asp His Val Val
 450 455 460

Glu Glu Leu Glu Lys Ile Ala Val Val Asn Leu Leu Gln Asn Arg Ser
465 470 475 480

Ile Ile Ser Leu Ile Gly Asn Val Gln Arg Ser Ser Leu Ile Leu Glu
485 490 495

Arg Leu Ser Arg Val Leu Arg Thr Leu Gly Val Thr Val Gln Met Ile
500 505 510

Ser Gln Gly Ala Ser Lys Val Asn Ile Ser Leu Val Val Asn Asp Ser
515 520 525

Glu Ala Glu Gln Cys Val Arg Ala Leu His Ser Ala Phe Phe Glu Ser
530 535 540

Glu Leu Ser Glu Leu Glu Met Asp Tyr Lys Asn Gly Asn Gly Ser Val
545 550 555 560

Asp Glu Leu Ser

<210> 18

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic oligonucleotide

<400> 18

ctctctgcca tggggaa

17

<210> 19

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic oligonucleotide

<400> 19

gactggtacc tcagcccacg agtaggt

27

<210> 20

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic oligonucleotide

<400> 20

gactccatgg agggattggg gga

23

<210> 21

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

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<223> Description of Artificial Sequence:Synthetic oligonucleotide

<400> 21
gttttccccca tggcagaga                                         19

<210> 22
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic oligonucleotide

<400> 22
ttagtgttc tgtgttactt gatccatcaa ag                                         32

<210> 23
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic oligonucleotide

<400> 23
ctttgatgga tcaagtaaca cagaaacact aac                                         33

<210> 24
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic oligonucleotide

<400> 24
gactccatgg caatcccagt gcg                                         23

<210> 25
<211> 11
<212> PRT
<213> Zea maize

<220>
<223> DOMAIN

<400> 25
Thr Ser Glu Val Ser Val Ser Val Ser Leu Asp
 1           5           10

<210> 26
<211> 11
<212> PRT
<213> Escherichia coli

<220>
<223> DOMAIN

<400> 26

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